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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/798,815	03/10/2004	Yoshifumi Shiba	884A.0042.U1(US)	7106
29683	7590	06/30/2005	EXAMINER	
HARRINGTON & SMITH, LLP			KO, TONY	
4 RESEARCH DRIVE			ART UNIT	
SHELTON, CT 06484-6212			PAPER NUMBER	
			2878	

DATE MAILED: 06/30/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/798,815

Applicant(s)

SHIBA, YOSHIFUMI

Examiner

Tony Ko

Art Unit

2878

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-13 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-13 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____.  |

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-6 and 11 are rejected under 35 U.S.C. 102(b) as being anticipated by Lyon (US006512858B2).

3. Regarding claim 1-6 and 11, Lyon discloses (Figs. 1, 2, 4 and 5) a system for displaying an image captured by a sensor array, the system comprise: means for displaying an image (20) corresponding to an output from a plurality of sensors (12) within a first area of a sensor array; and means for changing the image displayed (16) by translating the first area. Lyon also discloses the means for displaying an image controls the sensor array to provide an output from only the plurality of sensors within the first area of the sensor array (See Fig. 4). Lyon also discloses a buffer (18) for storing an output from all the sensors of the sensor array. Lyon also discloses the means for displaying an image receives the stored output from the buffer and processes the stored output to create an image corresponding to an output from the plurality of sensors within the first area of the sensor array. (Col. 6 line 42 to Col. 10 line 25). Lyon also discloses a memory (18) for receiving and storing the output from the plurality of sensors within the first area of the sensor array. Lyon also discloses (Fig. 4) a display for displaying the image corresponding to the output from the plurality of sensors within

the first area of the sensor array. Lyon discloses the means for displaying an image comprises a processor (36). Lyon also discloses a sensor comprising an  $N * M$  array of light sensors; and a processor for controlling a display to display an image comprising an  $n * m$  array of pixels corresponding to an  $n * m$  subset of the  $N * M$  array of light sensors, wherein the corresponding  $n * m$  subset is changeable (see Fig. 4). Lyon also discloses the  $K$  values could resize and translate the first area. That is, changing the size of the display, thus the first area is translated into a different area.

### ***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 7, 9, 10, 12 and 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lyon.

6. Regarding claims 7, 9, 10, 12 and 13, Lyon discloses the invention set forth above. Lyon does not disclose a user input device for controlling the translation of the first area within the sensor array. It is well known to have an input device for controlling the translation of the first area within the sensor array in an electronic camera. It would have been obvious to a person of ordinary skill in the art at the time of the invention to

have an input device for controlling the translation of the first area within the sensor array to control the size (K value) of the displayed image.

7. Regarding claim 8, Lyon discloses the invention set forth above. Lyon does not disclose the user input device controls translation in a first direction and, independent translation in a second direction, substantially perpendicular to the first direction. It is design choice to have the user input device controls translation in a first direction and, independent translation in a second direction, substantially perpendicular to the first direction. It would have been obvious to a person of ordinary skill in the art at the time of the invention to have the user input device controls translation in a first direction and, independent translation in a second direction, substantially perpendicular to the first direction to display the desired image.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tony Ko whose telephone number is 571-272-1926. The examiner can normally be reached on Monday-Friday 7:30 - 4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dave Porta can be reached on 571-272-2444. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TKO



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